

**COMBINED DECLARATION FOR PATENT APPLICATION AND POWER OF ATTORNEY**

Attorney's Docket Number

(Includes Reference to PCT International Application(s))

1506-022

As below named inventor, I hereby declare that:

My residence, post office address and citizenship are as stated below next to my name,

I believe I am the original, first and sole inventor (if only one name is listed below) or an original, first and joint inventor (if plural names are listed below) of the subject matter which is claimed and for which a patent is sought on the invention entitled:

MOBILE COMMUNICATIONS TERMINAL FOR SATELLITE COMMUNICATIONS SYSTEM

the specification of which:

☒ is attached hereto.☐ was filed as United States application Serial No. \_\_\_\_\_  
on \_\_\_\_\_

and was amended on \_\_\_\_\_ (if applicable).

☒ was filed as PCT international application Number PCT/US96/19905  
on December 6, 1996

and was amended under PCT Article 19 on \_\_\_\_\_ (if applicable).

I hereby state that I have reviewed and understand the contents of the above-identified specification, including the claims, as amended by any amendment referred to above.

I acknowledge the duty to disclose information which is material to the examination of this application in accordance with Title 37, Code of Federal Regulations, §1.56(a).

I hereby claim foreign priority benefits under Title 35, United States Code, §119 of any foreign application(s) for patent or inventor's certificate or of any PCT international application(s) designating at least one country other than the United States of America listed below and have also identified below any foreign application(s) for patent or inventor's certificate or any PCT international application(s) designating at least one country other than the United States of America filed by me on the same subject matter having a filing date before that of the application(s) of which priority is claimed:

**PRIOR FOREIGN/PCT APPLICATION(S) AND ANY PRIORITY CLAIMS UNDER 35 U.S.C. 119:**

COUNTRY (If PCT, indicate "PCT")	APPLICATION NUMBER	DATE OF FILING (day, month, year)	PRIORITY CLAIMED UNDER 35 USC 119
			<input type="checkbox"/> Yes <input type="checkbox"/> No
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**PRIOR U.S. APPLICATIONS OR PCT INTERNATIONAL APPLICATIONS DESIGNATING THE U.S. FOR BENEFIT UNDER 35 U.S.C. 120:**

U.S. APPLICATIONS		STATUS (Check One)		
U.S. Application Number	U.S. Filing Date	Patented	Pending	Abandoned
60/011,158	December 8, 1995		X	

**PCT APPLICATIONS DESIGNATING THE U.S.**

PCT Application No.	PCT Filing Date	U.S. Serial Numbers Assigned (if any)		
PCT/US96/19905	December 6, 1996		X	

**POWER OF ATTORNEY:** As named inventor, I hereby appoint the following attorney(s) and/or agent(s) to prosecute this application and transact all business in the Patent and Trademark Office connected therewith: Allan M. Lowe, Reg. No. 19,641; Robert L. Price, Reg. No. 22,685; Stephen A. Becker, Reg. No. 26,527; Robert E. LeBlanc, Reg. No. 17,219; Israel Gopstein, Reg. No. 27,333; Benjamin J. Hauptman, Reg. No. 29,310; Kenneth E. Krosin, Reg. No. 25,735; Frank P. Presta, Reg. No. 19,828; Gilberto M. Villacorta, Reg. No. 34,038; Gene Z. Rubinson, Reg. No. 33,351; Chittaranjan N. Nirmal, Reg. No. 30,408; Keith E. George, Reg. No. 34,111; Christopher W. Brody, Reg. No. 33,813; Arthur J. Stenter, Reg. No. 26,108; Edward J. Wise, Reg. No. 34,523; Alfred A. Stadnicki, Reg. No. 30,226; David L. Stewart, Reg. No. 37,578; John A. Hankins, Reg. No. 32,029; Brian D. Hickman, Reg. No. 35,894; Demetra J. Mills, Reg. No. 34,506; Alexander Yampolsky, Reg. No. 35,324; Timothy R. DeWitt, Reg. No. 35,857; William H. Behal, Reg. No. 38,038; Irah H. Donner, Reg. No. 35,120; Eric J. Kraus, Reg. No. 36,190; Leon R. Turkevich, Reg. No. 34,035; Mark G. Toohy, Reg. No. 35,392; Michael E. McCabe, Jr., Reg. No. 37,182; Edward A. Becker, Reg. No. 37,777; Kenneth M. Berner, Reg. No. 37,093; James H. Meadows, Reg. No. 33,965; and Stephen C. Carlson, Reg. No. 39,929.

**Send Correspondence to:**

**Direct Telephone Calls to:**  
(name and telephone number)

(703) 684-1111

201	Full Name of Inventor	Family Name DUSKE, Jr.	First Given Name Frederick	Second Given Name J.
	Residence and Citizenship	City Sterling	State or Foreign Country Virginia	Country of Citizenship United States
	Post Office Address	Post Office Address 10802 Parkridge Boulevard	City Reston	State & Zip Code/Country Virginia 22091/US
202	Full Name of Inventor	Family Name GRUSSING, Jr.	First Given Name Joseph	Second Given Name A.
	Residence and Citizenship	City Ashburn	State or Foreign Country Virginia	Country of Citizenship United States
	Post Office Address	Post Office Address 10802 Parkridge Boulevard	City Reston	State & Zip Code/Country Virginia 22091/US
203	Full Name of Inventor	Family Name BARBER	First Given Name Thomas	Second Given Name A.
	Residence and Citizenship	City Bethesda	State or Foreign Country Maryland	Country of Citizenship United States
	Post Office Address	Post Office Address 10802 Parkridge Boulevard	City Reston	State & Zip Code/Country Virginia
204	Full Name of Inventor	Family Name SELF	First Given Name Dean	Second Given Name A.
	Residence and Citizenship	City Centerville	State or Foreign Country Virginia	Country of Citizenship United States
	Post Office Address	Post Office Address 10802 Parkridge Boulevard	City Reston	State & Zip Code/Country Virginia



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			<input type="checkbox"/> Yes <input type="checkbox"/> No
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U.S. Application Number	U.S. Filing Date	Patented	Pending	Abandoned
50/011,158	December 8, 1995		X	
PCT APPLICATIONS DESIGNATING THE U.S.				
PCT Application No.	PCT Filing Date	U.S. Serial Numbers Assigned (if any)		
PCT/US96/19905	December 6, 1996		X	

**POWER OF ATTORNEY:** As named inventor, I hereby appoint the following attorney(s) and/or agent(s) to prosecute this application and transact all business in the Patent and Trademark Office connected therewith: Allan M. Lowe, Reg. No. 19,641; Robert L. Price, Reg. No. 22,685; Stephen A. Becker, Reg. No. 26,527; Robert E. LeBlanc, Reg. No. 17,219; Israel Gopstein, Reg. No. 27,333; Benjamin J. Hauptman, Reg. No. 29,310; Kenneth E. Krosin, Reg. No. 25,735; Frank P. Presta, Reg. No. 19,828; Gilberto M. Villacorta, Reg. No. 34,038; Gene Z. Robinson, Reg. No. 33,351; Chittaranjan N. Nigmel, Reg. No. 30,408; Keith E. George, Reg. No. 34,111; Christopher W. Brody, Reg. No. 33,513; Arthur J. Steiner, Reg. No. 26,108; Edward J. Wise, Reg. No. 34,523; Alfred A. Stadnicki, Reg. No. 30,226; David L. Stewart, Reg. No. 37,578; John A. Hankins, Reg. No. 32,029; Brian D. Hochman, Reg. No. 35,894; Demetra J. Mills, Reg. No. 34,506; Alexander Yampolsky, Reg. No. 36,324; Timothy R. DeWitt, Reg. No. 35,857; William H. Belski, Reg. No. 38,038; Irah H. Donner, Reg. No. 35,120; Eric J. Kraus, Reg. No. 36,190; Leon R. Turkevich, Reg. No. 34,035; Mark G. Toohy, Reg. No. 35,392; Michael E. McCabe, Jr., Reg. No. 37,182; Edward A. Becker, Reg. No. 37,777; Kenneth M. Berner, Reg. No. 37,093; James H. Meadows, Reg. No. 33,955; and Stephen C. Carlson, Reg. No. 39,929.

Send Correspondence to:		Direct Telephone Calls to: (name and telephone number)	
LOWE, PRICE, LEBLANC & BECKER 99 Canal Center Plaza, Suite 300 Alexandria, Virginia 22314		(703) 684-1111	
201	Full Name of Inventor	Family Name DUSKE, Jr.	First Given Name Frederick
	Residence and Citizenship	City Sterling	State or Foreign Country Virginia
	Post Office Address	Post Office Address 10802 Parkridge Boulevard	City Reston
202	Full Name of Inventor	Family Name GRUSSING, Jr.	First Given Name Joseph
	Residence and Citizenship	City Ashburn	State or Foreign Country Virginia
	Post Office Address	Post Office Address 10802 Parkridge Boulevard	City Reston
203	Full Name of Inventor	Family Name BARBER	First Given Name Thomas
	Residence and Citizenship	City Bethesda	State or Foreign Country Maryland
	Post Office Address	Post Office Address 10802 Parkridge Boulevard	City Reston
204	Full Name of Inventor	Family Name SELF	First Given Name Dean
	Residence and Citizenship	City Centerville	State or Foreign Country Virginia
	Post Office Address	Post Office Address 10802 Parkridge Boulevard	City Reston

I hereby declare that all statement made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under section 1001 of Title 18 of the United States Code, and that such willful false statements may jeopardize the validity of the application or any patent issuing thereon.

Signature of Inventor 201:	Signature of Inventor 202:	Signature of Inventor 203: <i>Thomas A. Zuber</i>	Signature of Inventor 204: <i>Dean A. Self</i>
Date	Date	Date <i>4/12/97</i>	Date <i>4/4/97</i>

05050305.071501

ASSIGNMENT

WHEREAS I, Joseph A. Gruessing, Jr., of Ashburn, Va. have made a certain new and useful invention as set forth in a Patent Cooperation Treaty (PCT) International Application, entitled MOBILE COMMUNICATIONS TERMINAL FOR SATELLITE COMMUNICATIONS SYSTEM, for which a PCT International application was filed on December 6, 1996, and identified by PCT International Serial No. PCT/US96/19905 AND for which the U.S. Application is executed concurrently herewith;

AND WHEREAS, AMSC Subsidiary Corporation, a corporation of the State of Delaware and having an address of 10802 Parkridge Boulevard, Reston, Virginia 22091 is desirous of acquiring the entire right, title and interest in and to said invention and in and to any and all Letters Patents of the United States, said PCT International Application and foreign countries which may be obtained therefor;

NOW, THEREFORE, for good and valuable consideration, the receipt for and sufficiency of which is hereby acknowledged, I do hereby sell, assign, transfer and set over unto AMSC Subsidiary Corporation, its legal representatives, successors, and assigns, the entire right, title and interest in and to said invention as set forth in the above-mentioned PCT International application, including said PCT International application, any original, continuation, continuation-in-part, divisional, reissue, re-examination applications or extensions thereof in the United States and foreign countries, and in and to any and all patents of the United States and foreign countries which may be issued for said invention;

UPON SAID CONSIDERATIONS, I hereby agree with the said assignee that I will not execute any writing or do any act whatsoever conflicting with these presents, and that I will, at any time upon request, without further or additional consideration but at the expense of said assignee, execute such additional assignments and other writings and do such additional acts as said assignee may deem necessary or desirable to perfect the assignee's enjoyment of this grant, and render all necessary assistance in making application for and obtaining original, divisional, continuation, continuation-in-part, reexamined, reissued, or extended Letters Patent of the United States or of any and all foreign countries on said invention, and in enforcing any rights or choses in action accruing as a result of such applications or patents, by giving testimony in any proceedings or transactions involving such applications or patents, and by executing preliminary statements and other affidavits, it being understood that the foregoing covenant and agreement shall bind, and inure to the benefit of the assigns and legal representatives of assignor and assignee;

AND I request the Commissioner of Patents and Trademarks to issue any Letters Patent of the United States which may be issued for said invention to said AMSC Subsidiary Corporation, its legal representatives, successors or assigns, as the sole owner of the entire right, title and interest in and to said patent and the invention covered thereby.

3/14/97  
Date

  
Joseph A. Gruessing, Jr.

STATE OF VIRGINIA )  
COUNTY OF FAIRFAX ) SS:

On this 14th day of MARCH, 1997, before me personally appeared Joseph A. Gruessing, Jr. to me known to be the person named in and who executed the above instrument, and acknowledged to me that he executed the same for the uses and purposes therein set forth.

S E A L

  
Notary Public

My commission expires

Oct 31, 1997

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Attorney's Docket Number

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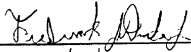
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Signature of Inventor 201: 	Signature of Inventor 202:	Signature of Inventor 203:	Signature of Inventor 204:
Date 3/12/97	Date	Date	Date

TELETYPE UNIT